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ABSTRACT

The Great Lakes Science Advisory Board of the International Joint Commission surveyed several hundred educators and producers of educational programs. One of the results of the survey was the development of this directory, which is limited to materials and producers of materials dealing with the Great Lakes Basin ecosystem, environmental studies, and ecology in general. Each resource entry is included in a category according to its format. These broad divisions include: (1) books; (2) pamphlets; (3) serials and journals; (4) newsletters; (5) audio-visual materials; (6) kits; (7) environmental education centers; (8) activities and workshops for educators; and (9) sources of materials. Most entries include titles, publishers and producers, addresses, publishing dates, subjects covered, emphasis, and the approximate audience level. Also included are a subject index and a grade index which are designed to help the user locate materials. (TW)

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DIRECTORY OF GREAT LAKES EDUCATION MATERIAL

SE 048 155

International Joint Commission
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International Joint Commission
Great Lakes Regional Office
100 Ouellette Avenue, Eighth Floor
Windsor, Ontario N9A 6T3
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Detroit, MI 48232

DIRECTORY OF GREAT LAKES EDUCATION MATERIAL

Published by the
Great Lakes
Science Advisory Board
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PREFACE

In 1984, the Great Lakes Science Advisory Board of the International Joint Commission surveyed several hundred educators and producers of educational programs to determine what materials they found most useful in teaching others about the Great Lakes. The goal of the survey was to determine what items were used most often by teachers and in what subject areas and grades.

Results of the survey were tabulated, and a follow-up questionnaire was sent in early 1987 to update responses from educators and producers. The responses from both surveys make up this Directory of Great Lakes Educational Material. The directory is not meant to provide a complete listing of all materials available. Rather, its listings are helpful in identifying popular materials and sources of additional programs on the Great Lakes. Addresses are included for each entry, and many are also available from various producing agencies, school boards, teacher associations and public libraries.

The surveys' results indicate several things about the type and availability of materials on the Great Lakes. First, a wide variety of pamphlets and technical reports are available from governmental agencies, environmental organizations and scientific bodies on several Great Lakes topics. Most educators listed these resource materials as useful in developing their own programs or in working with adults, graduate and undergraduate students.

The focus of materials on the Great Lakes has changed in more recent years. For example, many of the books produced since 1978 are written for secondary school to adult audiences. Materials used by educators with younger students rely heavily on publications produced before 1978 and tend to focus on physical geography, history of exploration and settlement in the region, shipping and fiction. Few educational materials in any format -- books, audio-visuals, kits and others -- were listed for elementary or middle school students that address the Great Lakes ecosystem and related issues. Either materials are not being produced for these issues and at these age levels, or teachers are not finding out about them.

The surveys indicate that audio-visual materials are available from many sources, and are widely used by educators in grades seven and above. Most films and slide programs in use were produced in the 1970s and early 1980s. While maps and charts are available and used by all age groups, most kits focus on students in the middle and secondary schools.

Educators were also asked what materials are most needed to teach others about the Great Lakes. In almost all instances, their response was that more classroom-ready materials are needed for all age levels -- including preschool -- that focus on an ecosystem approach to management of the Great Lakes, including hands-on or action oriented materials.

If we are to preserve the Great Lakes ecosystem for the use and enjoyment of future generations, today's young students must learn to appreciate and respect the Great Lakes as a unique system that provides endless benefits for its inhabitants. It is hoped this directory will provide a list of materials for educators to use in accomplishing this task. The Science Advisory Board wishes to thank all those who participated in the completion of this directory, particularly the educators and producers who responded to the surveys.

HOW TO USE THIS BOOK

Scope: This directory is limited to materials and producers of materials dealing with the Great Lakes Basin Ecosystem, environmental studies and ecology in general. For this reason, materials on or about shipping, exploration and history, other than those that can be related to the current environment around the Great Lakes, have been omitted. Also, since the ecosystem is in a constant state of change and our approaches to the management of the area are continually being modified by new international agreements, there was a need for a limiting date. The United States and Canada signed a new Great Lakes Water Quality Agreement in 1978, which provided for significant changes in the ecosystem. Therefore, materials published prior to 1978 were omitted unless the contents contained basic information that is still relevant to the Great Lakes ecosystem.

Content: Each resource entry is placed in a category according to its format. These broad divisions include several different print formats, various audio-visual formats and a division for workshops, theatre, etc. As much information as possible has been included: titles, publishers and producers, addresses, publishing dates, subjects covered, emphasis and the approximate audience level (this is always approximate since all students are not the same). A list of sources from which an educator can receive materials and information on issues of the Great Lakes basin has also been included. Many of these sources produce materials too numerous to list separately in the resource categories.

Many organizations that publish journals and annual reports on the Great Lakes are not included in this directory, since they were not listed by the educators in the surveys. Extended source listings for such materials are available through annual directories from the National Wildlife Federation, or from the Great Lakes Directory of Natural Resource Agencies and Organizations (produced by the Freshwater Society for The Center for the Great Lakes, 1984/1985). See the Sources section for further information.

Cost of materials has been omitted, as these often change and would quickly render the directory obsolete. It is therefore up to the person requesting material to inquire as to any costs that many be involved. Government agencies that normally produce pamphlets for distribution free of charge may exact a fee for multiple copies, and it is wise to investigate sources when ordering sets of materials.

TABLE OF CONTENTS

SECTION — PAGE

1. Books:
   This section includes books published since 1978 with the emphasis on publications produced after 1980..... 1

2. Pamphlets:
   Contains a selected number of pamphlets available from various government and private environmental agencies..... 9

3. Periodicals, Serials and Journals:
   Includes selected annual reports and serial publications that are useful to instructors of Great Lakes material..... 15
   Also included are two subsections: Articles..... 17
   Special Reports..... 20

4. Newsletters:
   Contains the titles and addresses of newsletters that deal with the Great Lakes basin as a whole or in part, either occasionally or entirely..... 25

5. Audio-Visual Materials:
   Includes films, videotapes, sound recordings, slides, compact discs and microfilm..... 33

6. Kits:
   This section contains a selection of kits, which may contain a variety of posters, exercises, maps, pamphlets and other materials..... 45

7. Other:
   Includes activities and workshops for educators, as well as an assortment of materials (posters, colouring books and computer programs)..... 51

8. Environmental Education Centers:
   Lists selected centers located on or near the Great Lakes. There are many others and for further information, contact your local agencies or school board..... 55

9. Sources:
   This section contains a list of selected sources of material. These sources produce or collect bodies of information too numerous to list individually, although some important publications may be listed individually in resource sections. Many of these sources have films, slides, pamphlets and books available for public use..... 59

10. Index
    Grade Level Index..... 71
    Subject Index..... 73

BOOKS

This section includes books published after 1978 with emphasis on books produced after 1980.

BOOKS

1. Decisions for the Great Lakes

Publisher: Great Lakes Tomorrow & Purdue Foundation
Great Lakes Tomorrow, Box 1935, Hiram, OH 44234
Date: 1982
Subject: Great Lakes history and facts, ecosystem management, politics, law, pollution, public participation, water quality
Emphasis: environmental studies
Level: undergraduate

2. An Inventory of the Ivan H. Walton Collection

Publisher: Michigan Sea Grant Program,
2200 Bonisteel Boulevard, Ann Arbor, MI 48109
Date: 1979
Note: Held at the Bentley History Library
University of Michigan
Subject: songs, folklore, shipping, Great Lakes
Emphasis: folklore and music
Level: all ages

3. Cry from the Earth

Publisher: McMillan Publishing, 866 Third Avenue, New York, NY 10022
Date: 1979
Subject: occasional Great Lakes
Emphasis: environmental studies
Level: grades 7-8

4. Educator's Guide to Great Lakes Material

Publisher: University of Wisconsin, Sea Grant College Program,
1800 University Avenue, Madison, WI 53705
Date: 1977
Note: a good resource for information on pre-1978 material
Subject: fiction, nonfiction, history, geography
Emphasis: environmental studies
Level: teacher resource - grades 6-9

5. The Enduring Great Lakes

Author: Rousmaniere, John
Publisher: W.W. Norton, 100 Fifth Avenue, New York, NY 10010
Date: 1979
Subject: freshwater ecology, pollution, Great Lakes
Emphasis: general
Level: grades 6-12, teacher resource

6. Environmental Diplomacy

Author: Carroll, John
Publisher: University of Michigan Press, 839 Greene Street, P.O. Box 1104, Ann Arbor, MI 48106 and John Wiley & Sons Canada, Ltd., 22 Worcester Road, Rexdale, ON M9W 1L1
Date: 1986
Subject: environmental policy, international cooperation, flooding, toxic substances, water and air quality
Emphasis: environmental law
Level: undergraduate, graduate, adult/general

7. Erie: The Lake that Survived

Author: Burns, Noel M.
Publisher: Rowman & Allanheld Publishers, 81 Adams Drive, Totowa, NJ 07512
Date: 1985
Subject: development history, climate, erosion, nutrient loading, toxins, models
Emphasis: environmental studies
Level: grades 10 - undergraduate

8. The Great Lakes

Author: Tovell, Walter Massey
Publisher: Royal Ontario Museum, 100 Queen's Park, Toronto, ON M5S 2C6
Date: 1979

9. The Fate of the Lakes: A Portrait of the Great Lakes

Author: Barry, James P.
Publisher: Bonanza Books, 419 Park Avenue South, New York, NY 10016
Date: 1972
Note: included although date precedes 1978; photos, easy reading
Subject: Canada-U.S.; last chapter- water, pollution, travel and description
Emphasis: general
Level: grades 6-9

10. Freshwater Fish and Fishing

Publisher: McMillan Publishing, 866 Third Avenue, New York, NY 10022
Date: 1970
Note: included although date precedes 1978
Subject: fish, introductory ichthyology
Emphasis: biology
Level: grades 7-8

11. Great Lakes Climatology Atlas

Author: Saulesleja, Andrej
Publisher: Supply and Service Canada, Ottawa, ON K1A 0S5
Date: 1986
Note: French and English
Subject: climate
Emphasis: climatology
Level: grades 10 - adult/general

12. The Great Lakes Economy

Publisher: Harbor House, 221 Water Street, Boyne City, MI 49712
Date: 1985
Subject: economic conditions, industry, Great Lakes
Emphasis: economics
Level: grades 10 - adult/general

13. Great Lakes Experts Directory

Publisher: Institute of Water Research, Michigan State University, 334 Natural Resources Building, East Lansing, MI 48824
Date: 1983
Note: useful resource
Subject: Great Lakes and related areas - professionals
Emphasis: environmental professionals
Level: adult/general and graduate students

14. The Great Lakes - North American Inland Seas

Publisher: Outdoor World Publishers, Waukesha, Wisconsin
Note: last chapter- the fate of the lakes
easy reading, photos
Subject: pollution (last chapter)
Emphasis: general
Level: grades 6-12

15. Cross Border Litigation

Author: Muldoon, Paul R. et al
Publisher: Carswell Legal Publications, 2330 Midland Avenue, Agincourt, ON M1S 1P7
Date: 1986
Subject: Great Lakes, pollution, catalog and explanation of laws, precedent-setting cases
Emphasis: environmental law
Level: undergraduate, graduate, teacher resource

16. Lake Ontario Nearshore Water Quality Atlas

Publisher: Ontario Water Resources Branch, Great Lakes Survey Unit, Ministry of the Environment, 135 St. Clair Avenue West, Toronto, ON M4V 1P5
Date: 1980
Subject: water quality, map
Emphasis: environmental studies
Level: undergraduate and adult/general

17. Local Watershed Problem Studies - Elementary School Curricula

Available: Vicki K. Vine, Water Resources Center,
1975 Willow Drive, Madison, WI 53706
Note: activities, stories, plays
Subject: natural systems, nonpoint pollution, water usage, Great Lakes
Emphasis: mixed - science, language, drama
Level: grades k-6

18. Local Watershed Problem Studies - Middle and High School Curricula

Available: Vicki K. Vine, Water Resources Center,
1975 Willow Drive, Madison, WI 53706
Note: activities, plays and stories
Subject: natural systems, nonpoint pollution, water usage
Emphasis: mixed: science, language and drama
Level: grades 7-12

19. Photographic and Illustrated Key of Selected New York Fishes

Author: Haynes, James M.
Department of Biological Sciences, SUNY College at Brockport,
Brockport, NY 14420
Note: contains two slides for each of 39 fish species discussed
Subject: fish
Emphasis: ichthyology
Level: undergraduate

20. The Story of Wild Goose Jack: The Life and Work of Jack Miner

Author: Linton, James M. and Calvin W. Moore
Publisher: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6
Subject: life of Jack Miner, conservation
Emphasis: conservation/history
Level: grades 9 - undergraduate, adult/general, teacher resource

21. To the Last Drop

Author: Keating, Michael
Publisher: MacMillian Canada, 29 Birch Avenue, Toronto, ON M4V 1E2
Date: 1986
Note: occasional Great Lakes material
Subject: acid rain, toxic contamination, water shortages
Emphasis: environmental studies
Level: grades 10 - adult/general

22. The Late, Great Lakes: An Environmental History

Author: Ashworth, William
Publisher: Alfred A. Knopf Publishers, 201 East 50th Street, New York, NY 10022
Date: 1986
Subject: history of Great Lakes: geology, human use, pollution, environmental quality, diversions
Emphasis: environmental studies
Level: grades 10 - adult/general

23. Surfbeat - Commentaries about the Great Lakes

Publisher: Michigan Sea Grant Program, 2200 Bonisteel Boulevard, Ann Arbor, MI 48109
Date: 1979
Subject: scripts on Great Lakes from biweekly radio program: recreation, fisheries, water quality, politics, shipping, education
Emphasis: environmental studies
Level: general audience

24. The Invisible Menace: Contaminants in the Great Lakes

Publisher: University of Wisconsin, Sea Grant College Program, 1800 University Avenue, Madison, WI 53705
Date: 1980
Subject: Great Lakes pollution, toxic chemicals, phosphorus, heavy metals
Emphasis: environmental studies
Level: grades 9 - adult/general

25. Environmental Education Activities Manual

Author: Stapp, William B. and Dorothy A. Cox
Publisher: Wm. Stapp and D. Cox, 32493 Shady Ridge Drive, Farmington Hills, MI 48018
Date: 1981
Subject: environmental education, water quality, general action-oriented activities
Emphasis: environmental studies
Level: teacher resource

26. The Politics of the Garrison Diversion

Author: Baydock, Ernest et al
Publisher: Dominie Press Ltd., 1361 Huntingwood Drive, Unit 7, Agincourt, ON N1S 3J1
Date: 1985
Subject: international politics, diversions
Emphasis: environmental studies, politics
Level: adult/general, undergraduate, graduate, teacher resource

PAMPHLETS

This section contains a selected number of pamphlets available from various government and private environmental agencies. For further information, see the Sources section.

PAMPHLETS

27. The ABC's of PCBs

Publisher: University of Wisconsin Sea Grant College Program, 1800 University Avenue, Madison, WI 53705
Date: 1978
Subject: PCBs, uses, history, environmental effects, health, life sciences
Emphasis:
Level: teacher resource, grades 7-9

28. The Acid Rain Story

Publisher: Environment Canada, Ottawa, ON K1A 0H3
Date: 1984
Note: occasional Great Lakes material
Subject: acid rain, U.S. and Canada, areas affected
Emphasis: environmental studies
Level: grades 10 - undergraduate

29. Fact Sheet on Acid Rain

Publisher: Canadian Embassy, 1771 N Street NW, Washington, D.C. 20036 or External Affairs Canada, Lester B. Pearson Building, 125 Sussex Drive, Ottawa, ON K1A 0G2
Note: occasional Great Lakes material
Subject: acid rain: causes, impacts on wildlife, sensitive areas, control, geography
Emphasis: environmental studies
Level: grades 10-12, adult/general

30. Field Manual for Water Quality Monitoring

Author: Stapp, William B. and Mark K. Mitchell, 2050 Delaware, Ann Arbor, MI 48103
Note: discounts available for orders over ten
encourages active participation by students/learners
Subject: water quality
Emphasis: environmental studies
Level: grades 7 - adult/general

31. Wetlands Affect You and Me

Publisher: 4-H
Available: MSU Cooperative Extension Service, Michigan State University, East Lansing, MI 48109
Note: one of 25 publications about ecological issues from Extension Service; #1038 of above for learner; #1039 for leader/teacher
Subject: wetlands, conservation
Emphasis: ecology
Level: grades 6-8

32. Great Lakes, America

Publisher: E.P.A. Region V, 230 South Dearborn, Chicago, IL 60604
Date: 1982
Subject: history, geography, land use, pollution and solutions, Great Lakes
Emphasis: general
Level: grades 9-12

33. A Guide to Great Lakes Water Quality Agreement

Publisher: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Subject: shipping, dredging, pollution, politics, U.S. - Canada policy
Emphasis: environmental law
Level: grades 10 - undergraduate

34. 1978 Great Lakes Water Quality Agreement

Publisher: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Subject: U.S. - Canada policy, water quality
Emphasis: environmental policy and law
Level: undergraduate, adult/general, teacher resource

35. Lake Superior News, "How the Jewel Lost its Sparkle"

Publisher: Save Lake Superior Association, P.O. Box 101, Two Harbors, MN 55616
Subject: pollution
Emphasis: environmental studies
Level: grades k-6

36. Remedial Action Plans for Areas of Concern

Publisher: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: 1986
Subject: water quality, Great Lakes basin
Emphasis: public concern
Level: undergraduate, graduate and adult/general

37. Sand Dunes

Publisher: Michigan United Conservation Clubs, 2101 Wood Street, Lansing, MI 48909
Subject: conservation, dunes, Great Lakes
Emphasis: conservation
Level: grades 4-6

38. Sweetwater Seas: The Legacy of the Great Lakes

Publisher: Environment Canada, 55 St. Clair Avenue East, Toronto, ON M4T 1M2 or Ontario Ministry of the Environment, 135 St. Clair Avenue West, Toronto, ON M4V 1P5
Note: full of maps, charts and pictures
Subject: history, ecology, environmental impacts, policy of the Great Lakes
Emphasis: general
Level: grades 7-10, teacher and student

39. Toxic Information Series - PCBs

Publisher: E.P.A. Region V, 230 South Dearborn, Chicago, IL 60604
Date: 1980
Subject: PCBs, hazards
Emphasis: environmental studies
Level: undergraduate, teacher resource

40. Toxic Substances

Publisher: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: 1983
Subject: toxic substances, Great Lakes basin
Emphasis: politics, environmental studies
Level: grades 10 - undergraduate

41. Upstream - Downstream

Publisher: Wisconsin Department of Natural Resources,
Rock River Task Force and Bureau of Water Quality,
Box 7921, Madison, WI 53707
Date: 1977
Subject: stream ecology, water quality
Emphasis: ecology/introductory biology
Level: grades 7-9

42. Ways to Get Involved in Water Quality Planning

Publisher: Wisconsin Department of Natural Resources,
Bureau of Water Quality Planning,
P.O. Box 7921, Madison, WI 53707
Subject: water monitoring
Emphasis: public action
Level: adult/general and teacher resource

43. Ice Boom

Publisher: IJC Great Lakes Regional Office, 100 Ouellette Avenue,
8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869,
Detroit, MI 48232
Date: 1980
Subject: Lake Erie and Niagara River, ice economics, ice flow regulation
Emphasis: environmental engineering
Level: adult/general and teacher resource

44. Great Lakes Water Levels

Publisher: Environment Canada
Available: Great Lakes Water Levels Communication Centre, Canada Centre
for Inland Waters, P.O. Box 5050, Burlington, ON L7R 4A6
Date: 1985
Subject: Great Lakes geology, hydrology, causes and effects of levels
fluctuations, forecasts
Emphasis: Hydrology
Level: grades 7 - adult/general

SUBSECTIONS:

SPECIAL REPORTS
ARTICLES

PERIODICALS SERIALS AND JOURNALS

This section contains selected annual reports and serial publications that are useful to instructors of Great Lakes material. Many references in the Sources section also publish reports and publications; please see that section for further information.

PERIODICALS SERIALS AND JOURNALS

45. Annual Report, Great Lakes Fishery Commission

Publisher: Great Lakes Fishery Commission, 1451 Green Road, Ann Arbor, MI 48105
Date: annually
Subject: fisheries, natural resources management
Emphasis: conservation
Level: undergraduate or teacher resource

46. Contact

Address: Canadian Studies Foundation, 252 Bloor Street West, Suite 3-390, Toronto, ON M5S 1V5
Date: irregular
Subject: Canadian studies, elementary and secondary schools
Emphasis: Canadian studies
Level: teacher resource

47. Journal of Great Lakes Research

Address: International Association for Great Lakes Research, 2200 Bonisteel Boulevard, University of Michigan, Ann Arbor, MI 48109
Date: quarterly
Subject: engineering, economics, social sciences, politics, physics, biology, planning
Emphasis: environmental studies
Level: graduate, teacher resource

48. Journal of Environmental Education

Publisher: Heldref Publications, 4000 Albemarle Street NW, Suite 504, Washington, DC 20016
Date: quarterly
Subject: environmental education theory and application
Emphasis: environmental education
Level: teacher resource

SUBSECTION: ARTICLES

49. Recycling Education: Developing a Curriculum

Reference: Cotter, Dan. Resource Recycling, Jul-Aug 1985
v.4; n.3; p.20
Date: 1985
Note: not Great Lakes specific
Subject: curriculum, format design, subject selection
Emphasis: curriculum development
Level: teacher resource

50. Practical Exercises for the Study of Community Ecology at Advanced Level

Reference: Putman, R.J. Journal of Biological Education, Autumn 1984
v.18; n.3; p.229
Note: not Great Lakes specific
Subject: practical exercises
Emphasis: ecology
Level: undergraduate - freshman, teacher resource

51. Might Management Save Great Lakes Shores?

Reference: Canadian Geographic
v.97; n.2; Oct/Nov
Subject: water levels, erosion
Emphasis: environmental studies
Level: undergraduate - adult/general

52. The Commons Game: Teaching Students About Social Dilemmas

Reference: Powers, Richard B. Journal of Environmental Education, Winter 1985-1986, v.17, n.2, p.4
Note: not Great Lakes specific
Subject: exploitation and management of resources
Emphasis: conservation
Level: undergraduate

53. Computer-Assisted Models in Environmental Education

Reference: Huke, Robert. Environmental Education Report and Newsletter, Oct 1985, v.14; n.2; p.2-25
Note: not Great Lakes specific
Subject: instruction models, FARIDPUR & STRATEGEM, computer model games
Emphasis: environmental education
Level: grades 10 - undergraduate, teacher resource

54. Enhancing Environmental Education and Training through Case Study Experimentation

Reference: Taylor, John and Wynn, Martin G. Environmentalist, Aug 1984 v.4; n.3; p.235
Notes: four diagrams, 17 references, not Great Lakes specific
Subject: experimentation, gaming, simulation
Emphasis: environmental education
Level: teacher resource

55. Journal Title: Environment Review

Reference: Two articles - Winter 1984, v.7; n.4; p.312
- Winter 1984, v.7; n.4; p.375
Note: curricula and course requirements
Subject: environmental studies courses, sampler of university levels undergraduate, graduate and special
Emphasis: guidance
Level: grades 12 - undergraduate, teacher resource

56. An Ecosystem Perspective: On Environmental and Social Change in the Great Lakes Forest

Reference: Flader, Susan L. Journal of Forest History, Jan 1983 p.34-41
Subject: ecosystems, history, land use attitudes
Emphasis: environmental studies
Level: undergraduate, adult/general

57. An Overview of Canadian Law and Policy Governing Great Lakes Water Quality Management

Reference: Canadian Environmental Law Research Foundation, Journal of International Law, 1986, v.18, n.1, p.109-153
Subject: diversions and consumptive use
Emphasis: environmental law
Level: graduate, teacher resource

58. Managing the Great Lakes Basin as a Home

Reference: Christie, W.J., et al Journal of Great Lakes Research, 1986, v.12, n.1, p.2 - 17
Note: Also available through IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Subject: holistic perspective, ecosystem management, citizen participation
Emphasis: environmental studies
Level: undergraduate, graduate, adult/general

SUBSECTION: SPECIAL REPORTS

59. Annotated Bibliography of PLUARG Reports

Publisher: International Reference Group on Great Lakes Pollution from Land Use Activities, IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: 1979
Subject: land use, pollution, Great Lakes
Emphasis: environmental studies
Level: adult/general

60. Great Lakes Basin Plan: Coastal Hazards Plan

Publisher: Great Lakes Basin Commission
Available: International Joint Commission Library, Great Lakes Regional Office, 100 Ouellette Avenue, 7th Floor, Windsor, Ontario, N9A 6T3
Date: 1981
Subject: water resources, coasts, floods
Emphasis: environmental engineering
Level: undergraduate - graduate

61. Great Lakes Shore Management Guide

Publisher: Fisheries and Oceans, 200 Kent Street, Ottawa, ON K1A 0E6
Date: 1981
Note: 74 volumes
Subject: protection of Great Lakes beaches, erosion
Emphasis: environmental studies
Level: undergraduate, adult/general

62. Annual Reports, Great Lakes Environmental Research Laboratory

Publisher: GLERL, U.S. Department of Commerce/NOAA, 2205 Commonwealth Boulevard, Ann Arbor, MI 48105
Subject: water levels, wave and ice forecasting, lake currents
Emphasis: hydrology
Level: adult/general

63. The Future of Great Lakes Resources: 1982-84 Biennial Report

Publisher: University of Wisconsin, Sea Grant College Program, 1800 University Avenue, Madison, WI 53705
Date: 1984
Subject: resources, management, uses
Emphasis: environmental studies
Level: undergraduate, teacher resource

64. Pollution from Land Use Activities

Publisher: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: 1978
Subject: water quality, management, pollution, land use
Emphasis: environmental studies
Level: grades 10 - adult/general

65. Annual Report

Publisher: Great Lakes Advisory Boards (various; request bibliography) IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: annual and biennial
Subject: water quality, aquatic ecology
Emphasis: ecology
Level: undergraduate, graduate and adult/general

66. Report on Great Lakes Water Quality

Publisher: Great Lakes Water Quality Board, IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: annually and/or biennially since 1974
Subject: hazardous substances, law, legislation, Great Lakes region
Emphasis: environmental law, policies
Level: undergraduate, graduate, adult/general and teacher resource

67. St. Clair River Pollution Investigation (Sarnia Area)

Publisher: Canada-Ontario Agreement Respecting Great Lakes Water Quality Review Board, Environment Canada, Ottawa, ON K1A 0H3
Date: 1985, 1986
Subject: water pollution, St. Clair River
Emphasis: environmental studies
Level: undergraduate, adult, teacher resource

68. Water Levels

Publisher: Supply and Services, Tides, Currents and Water Levels Section, Ottawa, ON K1A 0S5
Subject: levels, stream measurements, Great Lakes levels
Emphasis: hydrology
Level: undergraduate, graduate and teacher resource

69. Partnerships in Water Management: Minnesota's Challenge of the 1980's
Publisher: Minnesota State Planning Agency - Environmental Division Room 100, Capitol Square Building, 530 Cedar Street, St. Paul, MN 55101
Date: 1980
Subject: water quality, Great Lakes, management, policies
Emphasis: environmental studies, conservation
Level: undergraduate, graduate and teacher resource

70. Great Lakes Basin Plan: Wetlands Policy Plan

Publisher: Great Lakes Basin Commission
Available: International Joint Commission Library, Great Lakes Regional Office, 100 Ouellette Avenue, 7th floor, Windsor, Ontario, N9A 6T3
Date: 1981
Subject: wetlands, water resources development, resource management
Emphasis: conservation
Level: undergraduate, graduate, adult/general and teacher resource

71. Currents of Change

Author: Pearse, P.H., F. Bertrand, J.W. MacLaren
Available: The Enquiry Centre, Environment Canada, Ottawa, ON K1A OH3
Date: 1985
Subject: water quality, uses and pressures, water management, federal and international arrangements, occasional Great Lakes
Emphasis: environmental studies, social sciences, economics
Level: undergraduate, graduate, teacher resource

72. A Layperson's Views on Emerging Water Issues

Author: Barnes, Sally
Publisher: Futures in Water, Proceedings Ontario Water Resource Conference, 1984, Toronto, ON ; Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, ON M7A 1W3
Available: International Joint Commission Library, Great Lakes Regional Office, 100 Ouellette Avenue, Windsor, Ontario, N9A 6T3
Date: 1984
Subject: water resource use and management
Emphasis: public view - water management issues
Level: general

NEWSLETTERS

This section contains the titles and addresses of newsletters that deal with the Great Lakes basin as a whole or in part, either occasionally or entirely.

NEWSLETTERS

73. Acid Rain UPDATE

Address: Acid Rain Foundation, 1630 Blackhawk Hills, St. Paul, MN 55122
Date: occasional
Subject: current events, resource list, acid rain research
Emphasis: environmental studies
Level: teacher resource

74. Alternatives

Address: Univerity of Waterloo, c/o Faculty of Environmental Studies, Waterloo, ON N2L 3G1
Note: Spring 1986 issue -- excellent resource on Great Lakes
Date: quarterly
Subject: mixed
Emphasis: environmental studies
Level: undergraduate, graduate, teacher resource

75. The Chadburn

Address: 480 Main Street, Vermilion, OH 44089
Date: quarterly
Subject: Great Lakes, history
Emphasis: history
Level: undergraduate and teacher resource

76. Coastlines

Address: New York Sea Grant Program, 37 Elk Street, Albany, NY 12246
Date: quarterly
Subject: aquatic topics, coastal management, fisheries and recreation, Great Lakes
Emphasis: environmental studies
Level: undergraduate, graduate, adult/general

77. Conservation Mentor

Address: Minnesota Association of Soil and Water Conservation Districts
Date: quarterly
Subject: soil & water conservation
Emphasis: conservation
Level: adult/general

78. Earthbeats

Address: University of Wisconsin, Sea Grant College Program, 1800 University Avenue, Madison, WI 53705
Date: since 1975
Subject: energy, Great Lakes, based on daily radio program
Emphasis: environmental studies
Level: grades 1-6, teacher resource

79. Environmental Communicator

Address: North American Association for Environmental Education, P.O. Box 400, Troy, OH 45373
Date: bimonthly
Subject: not Great Lakes specific
Emphasis: environmental studies
Level: teacher resource

80. Focus on International Joint Commission Activities (previously Focus on Great Lakes Water Quality)

Address: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: March/July/November
Subject: water, pollution, hazardous substances, IJC, environmental quality, Great Lakes focus
Emphasis: environmental studies
Level: grades 9 - adult/general, teacher resource

81. Great Lakes Citizen

Address: Great Lakes Tomorrow, Box 1935, Hiram, OH 44234 OR 45 Charles Street East, 6th floor, Toronto, ON M4Y 1S2
Date: occasional
Subject: water quality, Great Lakes issues
Emphasis: environmental action
Level: adult/general, teacher resource

82. Great Lakes Communicator

Address: Great Lakes Commission, 2200 Bonisteel Boulevard, Ann Arbor, MI 48109
Date: discontinued, 1981 (back issues only)
Subject: natural resources, water resources, economic conditions, Great Lakes
Emphasis: ecology
Level: undergraduate, adult/general, teacher resource

83. OPIRG Newsletter

Address: Ontario Public Interest Research Group, Corner of Trent and College, University of Guelph, Guelph, ON N1G 2W1
Date: quarterly
Subject: research projects, information outreach program, social action activities
Emphasis: acid rain, toxic waste, nuclear power, food and agriculture, not Great Lakes specific
Level: adult/general

84. Great Lakes Leader

Address: New York Sea Grant Program, 37 Elk Street, Albany, NY 12246 or Sea Grant Extension Program, 21 South Grove Street, East Aurora, NY 14052
Date: bimonthly
Subject: toxic substances, ice, ecosystems, fishing, Great Lakes issues
Emphasis: environmental studies
Level: teacher resource

85. Great Lakes Reporter

Address: The Center for the Great Lakes, 435 N. Michigan Avenue, Suite 1408, Chicago, IL 60611
Date: bimonthly
Subject: management, conservation, natural resources, water quality, U.S.-Canadian Great Lakes issues
Emphasis: environmental studies
Level: undergraduate, graduate, adult/general, teacher resource

86. The Great Lakes United

Address: Great Lakes United, 24 Agassiz Circle, Buffalo, NY 14214
Date: quarterly
Subject: conservation, economic strategies, information exchange U.S.-Canadian Great Lakes issues, citizen involvement
Emphasis: environmental studies
Level: adult/general

87. Inland Seas

Address: Great Lakes Historical Society, 480 Main Street, Vermilion, OH 44089
Date: quarterly
Subject: Great Lakes history
Emphasis: history
Level: undergraduate, teacher resource

88. Journal of Great Lakes Research

Address: International Association for Great Lakes Research, c/o William Richardson, U.S. EPA Large Lakes Research Station, 9311 Groh Road, Grosse Ile, MI 48138
Date: quarterly
Subject: Great Lakes scientific research
Emphasis: science
Level: undergraduate, graduate, teacher resource

89. Lacustrine Lessons

Address: University of Minnesota Sea Grant Program, 208 Washburn Hall, Duluth, MN 55812
Date: five times per year
Subject: occasional Great Lakes, ecology
Emphasis: environmental studies
Level: grades k-12

90. Lake Connection

Address: University of Wisconsin Extension, 1815 University Avenue, Madison, WI 53705
Date: bimonthly
Subject: news and information on the Great Lakes Curriculum
Emphasis: environmental studies
Level: grades 4-8, teacher resource

91. Limnos

Address: c/o Les Strang Publishing Company, 3750 Nixon Road, Ann Arbor, MI 48106 OR Great Lakes Foundation, P.O. Box 236, Glen Arbor, MI 49636
Date: quarterly
Subject: water, pollution, mostly Great Lakes
Emphasis: limnology
Level: undergraduate, teacher resource

92. Middle Sea

Address: Ohio Sea Grant Program, Biological Sciences Building, Room 112, 484 West 12th Avenue, Columbus OH 43210
Date: quarterly
Subject: conservation, management, Great Lakes issues
Emphasis: environmental studies
Level: teacher resource

93. Seasons

Address: Federation of Ontario Naturalists, 355 Don Mills Road, Don Mills, ON M3B 2W8
Subject: conservation, acid rain, endangered species, not Great Lakes specific
Emphasis: ecology
Level: grades 7 - adult/general, teacher resource

94. The Probe Post

Address: Pollution Probe Foundation, Ecology House, 12 Madison Avenue, Toronto, ON M5R 2S1
Date: bimonthly
Subject: energy, environmental issues, not Great Lakes specific
Emphasis: mixed
Level: grades 7 - adult/general, teacher resource

95. The Seiche

Address: Minnesota Sea Grant Extension Program, University of Minnesota
208 Washburn Hall, Duluth, MN 55812
Date: quarterly
Subject: marine resources, coastal utilization, marine environmental research, water safety, Great Lakes
Emphasis: environmental studies
Level: undergraduate, adult/general, teacher resource

96. Sierra North Star

Address: Sierra Club, North Star Chapter, 818 Midland Bank Building, Minneapolis, MN 55401
Date: monthly
Subject: environment, land use, parks, solid waste, wildlife, Great Lakes
Emphasis: environmental studies
Level: grades 10 - undergraduate, adult/general

97. Tracks

Address: Michigan United Conservation Clubs, P.O. Box 30235, 2101 Wood Street, Lansing MI 48909
Date: monthly reader
Subject: conservation, natural resources management, prevention of environmental degradation, Great Lakes basin
Emphasis: conservation
Level: grades 4-6

98. Twine Line

Address: Ohio Sea Grant Program, Ohio State University, Biological Sciences Building, Room 112, 484 West 12th Avenue, Columbus, OH 43210
Date: occasional
Subject: aquatic resources, fishing
Emphasis: ecology
Level: adult/general

99. Upwellings

Address: Michigan Sea Grant Program, 2200 Bonisteel Boulevard, Ann Arbor MI 48109
Date: quarterly
Subject: pollution, Great Lakes environmental quality
Emphasis: environmental studies
Level: adult/general

100. Eco-News

Address: Environmental Action Coalition, 235 East 49th Street, New York, NY 10017
Date: monthly
Subject: childrens' environmental newsletter
Emphasis: ecology
Level: grades 2-8

101. Conservation in Action

Address: Ohio Forestry Association, Inc., Suite 205, 665 East Dublin-Granville Road, Columbus OH 43229
Date: quarterly
Subject: occasional Great Lakes, conservation, education
Emphasis: conservation
Level: teacher resource

102. U.S. Water News

Address: U.S. Water News, Inc. and the Freshwater Foundation, 230 Main Street, Halstead, KS 67056
Date: monthly
Subject: water quality, water quantity - not Great Lakes specific
Emphasis: environmental studies
Level: adult/general, teacher resource

AUDIO-VISUAL MATERIALS

This section includes films, videotapes, sound recordings, slides, compact discs and microfilm.

AUDIO-VISUAL MATERIALS

103. Acid from Heaven

Format: film
Available: Acid Rain Foundation, Inc., 1630 Blackhawk Hills, St. Paul, MN 55122
Subject: acid rain
Emphasis: environmental studies
Level: grades 7 - undergraduate, adult/general

104. Clean Water is Kid's Stuff

Format: film
Available: Water Quality Planning, Wisconsin Department of Natural Resources, P.O. Box 7921, Madison, WI 53707
Subject: water quality
Emphasis: environmental studies
Level: all ages

105. Crisis in the Rain

Format: film
Available: Visual Education Centre, Unit 1, 75 Horner Avenue, Toronto, ON M8Z 4X5 or CCAR, 112 St. Clair Street West, Suite 504, Toronto, ON M4V 2Y3
Date: 1983
Subject: transboundary concerns, U.S.-Canadian relations
Emphasis: political and social studies
Level: grades 7 - undergraduate

106. Cry of the Gull

Format: film
Available: Gloria Montero and David Fulton, 93 Pears Avenue, Toronto, ON M5R 1S9
Subject: Lake Ontario gulls, toxic substances
Emphasis: ecology
Level: grades 7 - undergraduate, adult/general

107. Du Grande Large aux Grand Lac

Format: videorecord, one tape cassette - FRENCH
Available: National Film Board of Canada, P.O. Box 6100, Montreal, PQ H3C 3H5
Date: 1982
Subject: water, pollution, Great Lakes region
Emphasis: environmental studies, French language
Level: grades 4 - adult/general

108. Food for Thought

Format: film and video
Available: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6 or National Film Board of Canada, local offices
Subject: fruit and vegetable farming, southwestern Ontario (also includes California)
Emphasis: agribusiness
Level: grades 7-12

109. The Great Cleanup

Format: film
Available: E.P.A., Region V Office, 230 S. Dearborn, Chicago, IL 60604 or Modern Talking Pictures, 2323 New Hyde Park Road, New York, NY 11040 (Note: free loan)
Date: 1976
Subject: environmental restoration, U.S.-Canadian cooperation, Great Lakes
Emphasis: environmental studies, social studies
Level: grades 10 - adult/general

110. The Great Lakes (three-part series)

Format: sound filmstrip and videocassette
Available: Hawkhill Association, Inc., 125 Gilman Street, Madison, WI 53703
Subject: geology, history, ecology, Great Lakes
Emphasis: mixed
Level: grades 7-12

111. The Great Lakes -- Causes of Pollution

Format: filmstrip and audio tape
Available: Time-Life Film, 43 West 16th Street, New York, NY 10010
Date: 1972
Note: (somewhat old but still has useful concepts)
Subject: pollution, population, industry, Great Lakes
Emphasis: sciences
Level: grades 7-12

112. Great Lakes Chronology

Format: film
Available: U.S. Fish and Wildlife Service, Film Library, Federal Building, Fort Snelling, Twin Cities, MN 55111
Subject: history, exploitation, Great Lakes
Emphasis: environmental studies, history
Level: grades 10 - adult/general

113. The Great Lakes: No Free Lunch

Format: 3/4" u-matic videocassette, other formats available by special request
Available: Michigan Media, University of Michigan Media Resources, 416 Fourth Street, Ann Arbor, MI 48109
Date: 1981
Subject: toxics, eutrophication, wetlands, erosion, dredging
Emphasis: political, socio-economic and environmental studies
Level: grades 10 - undergraduate, adult/general

114. The Great Lakes - Results of Pollution

Format: filmstrip and audiotape
Available: Time-Life Film, 43 West 16th Street, New York, NY 10010
Date: 1972
Subject: pollution, water supplies, fish, beaches, Great Lakes
Emphasis: environmental studies
Level: grades 9 - adult/general

115. The Greatest Lakes (A Production of WHA-TV, Madison, WI)

Format: film
Available: WHA-TV, 821 University Avenue, Madison, WI 53706
Subject: history, protection, pollution, development, future of the Great Lakes basin
Emphasis: environmental studies
Level: grades 7 - adult

116. The Inland Lake Demonstration Project

Format: film
Available: University of Wisconsin, Bureau of A/V Instruction, 1327 University Avenue, P.O. Box 2093, Madison, WI 53701
Subject: inland lake restoration and rehabilitation
Emphasis: inland lakes
Level: adult/general

117. Introduction to Great Lakes Water Pollution Problems

Format: film
Available: University of Wisconsin, Bureau of A/V Instruction, 1327 University Avenue, P.O. Box 2093, Madison, WI 53701
Subject: Great Lakes issues
Emphasis: environmental studies
Level: undergraduate, adult/general

118. Lake Erie

Format: film
Available: Karol Media, 933 Pacific Avenue, Kansas City, KS 66101
Subject: Lake Erie rehabilition
Emphasis: environmental studies
Level: grades 10 - undergraduate, adult/general

119. Lake Michigan - An Issue for the '80s

Format: slide, tape and script
Available: Schlitz Audubon Center, 111 East Brown Deer Road, Milwaukee, WI 53217
Date: 1980
Subject: land impacts, power plants, sewage treatment
Emphasis: environmental studies, public awareness
Level: grades 10 - adult/general

120. Lake Michigan Coho/DDT Story

Format: film
Available: Fenwick, 14799 Chestnut, Westminster, CA 92683
Subject: DDT/Coho, Lake Michigan, biogeochemical cycles, biomagnification
Emphasis: ecology
Level: grades 10 - adult/general

121. Lake Renewal Techniques

Format: film
Available: University of Wisconsin, Bureau of Audio/Visual Instruction, 1327 University Avenue, Madison, WI 53706
Subject: environmental rehabilitation
Emphasis: environmental science
Level: adult/general

122. Lay Down Your Nets

Format: film
Available: University of Wisconsin, Bureau of Audio/Visual Instruction, 1327 University Avenue, Madison, WI 53706
Date: 1977
Subject: perch aquaculture, food production, food science, Great Lakes
Emphasis: science
Level: grades 7 - adult/general

123. A Natural Turn of Events

Format: film and video
Available: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6
Subject: reclamation, waste disposal sites, Toronto
Emphasis: ecology
Level: grades 7-12

124. The Nature of Things - The Great Lakes Troubled Waters

Format: film and video
Available: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6
Subject: toxic substances, Niagara Falls basin
Emphasis: environmental studies
Level: grades 7 - adult/general

125. The Nature of Things - Long Point Marsh

Format: film and video
Available: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6
or Visual Education Centre, 75 Horner Avenue, Toronto, ON M8Z 4X5
Subject: wildlife, marshes, experiments, Lake Erie
Emphasis: ecology
Level: grades 7 - adult/general

126. The Nature of Things - Point Pelee

Format: film and video
Available: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6
or National Film Board of Canada, local offices
Subject: wildlife, Point Pelee National Park, Lake Erie
Emphasis: ecology
Level: grades 7 - adult/general

127. A New Mandate

Format: film
Available: E.P.A. Region V, Public Affairs, 230 S. Dearborn,
Chicago, IL 60604
Subject: policies
Emphasis: environmental law, Great Lakes
Level: undergraduate, adult/general

128. Nonpoint 83

Format: film
Available: Water Quality Planning, Wisconsin Department of Natural
Resources, P.O. Box 7921, Madison, WI 53707
Date: 1977
Subject: nonpoint source pollution, water quality
Emphasis: environmental studies
Level: adult/general

129. Nonpoint Pollution Problems and Solutions

Format: slides and tapes
Available: University of Wisconsin Extension Program, 1815 University Avenue, Madison, WI 53706
Subject: nonpoint source pollution
Emphasis: environmental studies
Level: adult/general

130. Nonpoint Source Pollution

Format: slide set
Available: Water Quality Planning, Wisconsin Department of Natural Resources, P.O. Box 7921, Madison, WI 53707
Subject: water quality, nonpoint source pollution
Emphasis: environmental studies
Level: adult/general

131. Not Man's to Command

Format: film
Available: National Film Board of Canada, P.O. Box 6100, Montreal, PQ H3C 3H5
Date: 1978
Subject: Great Lakes water levels, weather
Emphasis: geography, environmental studies
Level: adult/general

132. The Northern Lakes and Their Inhabitants

Format: slides
Available: Educational Images Ltd., P.O. Box 367, Lyons Falls, NY 13368
Subject: aquatic life, thermocline, waters in the Great Lakes basin
Emphasis: ecology
Level: grades 3-6

133. Pollution - Front Line

Format: film
Available: National Film Board of Canada, P.O. Box 6100, Montreal, PQ H3C 3H5
Date: 1970 (somewhat outdated)
Subject: air pollution, industry, health, Hamilton, ON
Emphasis: environmental studies
Level: grades 7 - adult/general

134. Promises to Keep

Format: slides and audio cassette
Available: IJC Great Lake Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Date: 1980; revised and updated 1987
Subject: toxic chemicals, pollutants, water quality
Emphasis: environmental policy and quality
Level: undergraduate, adult/general

135. Sand Dunes of Minnesota

Format: filmstrip
Available: Upper Midwest Filmstrips, 409 Lakewood Road, Duluth, MN 55804
Subject: sand dunes, wildlife, Great Lakes basin
Emphasis: ecology
Level: grades 7-12

136. Saving the Lakes

Format: film
Available: National Film Board of Canada, P.O. Box 6100, Montreal, PQ H3C 3H5
Subject: Great Lakes rehabilitation, pollution, controls
Emphasis: environmental studies
Level: grades 7 - adult/general

137. Songs of the Great Lakes

Format: record
Available: Elderly Instruments, 1100 N. Washington, Lansing, MI 48906
Subject: shipping, transport, people
Emphasis: music, language
Level: grades k - adult/general

138. Storm Water Pollution Control

Format: film
Available: E.P.A. Region V, 230 S. Dearborn, Chicago IL 60604
Subject: precipitation, waves, water levels, pollution
Emphasis: environmental studies
Level: adult/general

139. Succession from Sand Dune to Forest

Format: film
Producer: Encyclopedia Britannica Educational Corporation
Contact: Toronto Sales Office, 151 Bloor Street West, Toronto, Ontario
or 310 N. Michigan Avenue, Chicago, IL 60604
Note: free descriptive booklet of materials - call (416) 691-1054
Date: 1980
Subject: plant, natural succession, Lake Michigan
Emphasis: ecology
Level: grades 7 - adult/general

140. Superior Today

Format: video cassette
Available: Local PBS station or Jackie Calcaterra, WNMU-TV, Northern
Michigan University, Marquette, MI 49855
Subject: Lake Superior issues
Emphasis: environmental studies
Level: grades 10 - adult/general

141. Too Thick to Navigate, Too Thin to Cultivate

Format: film
Available: Michigan State University, Instructional Media Center,
East Lansing, MI 48824
Subject: Great Lakes management, effects of pollution on ecosystem
Emphasis: conservation, environmental studies
Level: adult/general

142. Understanding Lakes and Lake Problems

Format: film
Available: University of Wisconsin Extension Program, Bureau of Audio/Visual Instruction, 1327 University Avenue, Madison, WI 53706
Subject: erosion control, water levels, property owners, inland lakes
Emphasis: conservation
Level: adult/general

143. Wetlands - Our Natural Partners in Wastewater Management

Format: film
Available: Michigan Media, 416 Fourth Street, Ann Arbor, MI 48109
Date: 1980
Subject: Houghton Lake, MI; Vermontville, MI; effluent, wetlands, resource management
Emphasis: conservation
Level: grades 10 - undergraduate, adult/general

144. What's Happening to Our Lakeshore?

Format: film
Available: University of Wisconsin Extension Program, Bureau of Audio/Visual Instruction, 1327 University Avenue, Madison, WI 53706
Subject: effective shoreline management practices, pollution, Great Lakes
Emphasis: environmental studies, geography
Level: grades 7 - adult/general

145. Build a Beach -- Erode a Shore

Format: slides
Available: Michigan Earth Science Teachers Association, c/o Department of Geology, Michigan State University, East Lansing, MI 48824
Subject: sedimentation, erosion, movement, Great Lakes
Emphasis: geography, environmental studies
Level: grades 7 - adult/general

146. Waterwalker

Format: film
Available: National Film Board of Canada, P.O. Box 6100, Montreal, PQ H3C 3H5
Date: 1986
Subject: Lake Superior and its tributaries, canoeing, water quality, aesthetics, art, ethics
Emphasis: recreation
Level: adult/general

KITS

This section contains a selection of kits available to educators. These may contain a variety of posters, exercises, maps, pamphlets and other materials.

KITS

147. Acid Rain in Minnesota: A Teacher's Resource Guide

Producer: Acid Rain Foundation, 1630 Blackhawk Hills, St. Paul, MN 55122
Note: Accompanies "Acid Rain in Minnesota," film, 1985
Subject: acid rain
Emphasis: mixed - economics, literature, political and environmental studies, drama
Level: teacher resource

148. The Class Project

Producer: National Wildlife Federation, 1412 Sixteenth Street NW, Washington, D.C. 20036
Subject: hazardous substances, resource management, citizen action
Note: not Great Lakes specific
Emphasis: environmental studies
Level: teacher resource

149. Curriculum for Grades 4-8

Producer: Acid Rain Foundation, 1630 Blawkhawk Hills, St. Paul MN 55122
Subject: acid rain
Note: 12 classroom-ready activities
Emphasis: mixed: science, math, social studies, art, language
Level: grades 4-8

150. Debate Coaches

Producer: Acid Rain Foundation, 1630 Blackhawk Hills, St. Paul, MN 55122
Subject: water quality, allocation, policy
Emphasis: language, environmental studies
Level: grades 8-12, teacher resource

151. Great Lakes Agreement Information Kit

Producer: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Note: Kit includes pamphlets on toxic substances, land use activities, bibliography of Great Lakes reports, remedial action plans information, Great Lakes Water Quality Agreement
Subject: Great Lakes, water quality issues
Emphasis: environmental studies
Level: all ages

152. Great Lakes Education Kit

Producer: Canada-Ontario Agreement Respecting Great Lakes Water Quality, Environment Canada, 25 St. Clair Avenue East, 6th floor, Toronto, ON M4T 1M2
Note: Kit includes puzzle, game, teacher resources and classroom activities
Subject: Great Lakes, ecosystem, water quality
Emphasis: environmental studies
Level: grades k-8

153. Great Lakes Basin Kit

Producer: Environment Canada
Available: Canada Map Office, Department of Energy, Mines and Resources, 615 Booth Street, Ottawa, ON K1A 0E9
Note: contains large folding map; scheduled for revision during 1987
Subject: Great Lakes basin, water use, geological, history, population, U.S.-Canadian relations
Emphasis: environmental studies
Level: grades 9 - 12, teacher resource

154. Hazardous Dumping Grounds Module

Available: Joe Wright, 229 State House, Indianapolis, IN 46204
Subject: hazardous wastes
Note: activity oriented, not Great Lakes specific
Emphasis: science, social studies, health
Level: grades 5-12

155. Investigating the Great Lakes Environment:
Unit One - The Sea Lamprey; Unit Two - Commercial Fisheries

Producer: Michigan Sea Grant Program, 2200 Bonisteel Boulevard, Ann Arbor, MI 48109
Subject: sea lamprey, ecology, history, Great Lakes, fisheries
Note: 12 activities, teacher background, wall map, gameboards, worksheets and references
Emphasis: ecology
Level: grades 6-8

156. Oceanic Education Activities for Great Lakes

Producer: Ohio Sea Grant Program, Ohio State University, 059 Ramseyer Hall, 29 West Woodruff, Columbus, OH 43210
Subject: Lake Erie, interdisciplinary approach to the world's oceans
Note: activities, no elaborate equipment needed, each activity comes with a teacher quide, 23 titles available
Emphasis: environmental studies
Level: grades 4-9

157. Our Great Lakes Connection
A Curriculum Guide for Grades K-8

Producer: Environmental Resource Center, 216 Agriculture Hall, 1450 Linden Drive, Madison, WI 53706
Subject: Great Lakes
Note: two dozen activities, activities-at-a-glance chart, grade level and subject area information, resource list
Emphasis: mixed - geography, science, economics, history, social studies
Level: grades k-8, teacher resource

158. Thinking Globally and Acting Locally:
Environment Education Teaching Activities

Producer: ERIC, Clearinghouse for Science, Math and Environmental Education The Ohio State University, College of Education and School of Natural Resources, 1200 Chamber Road, 3rd floor, Columbus, OH 43212
Emphasis: environmental education
Level: grades 4-9

159. Wetlands Resource Package

Producer: Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, ON M3B 2W8
Subject: wetlands
Emphasis: conservation, resource management
Level: grades 6-10

160. Whole Earth Design

Producer: Division of Health Education, 1330 W. Michigan Street, Indianapolis, IN 46202
Note: not specifically on the Great Lakes, activity oriented
Subject: water, land and air general learning activities
Emphasis: environmental studies
Level: teacher resource

161. Clean Up

Producer: Damon Educational Division, 80 Wilson Way, Westwood, MA 02090
Note: board game
Subject: one-hour environmental game for 2-6 players
Emphasis: environmental management
Level: grades k-5

162. Dirty Water

Producer: Urban Systems, Inc., 1033 Massachusetts Avenue, Cambridge, MASS 02138
Note: board game
Subject: water quality, one to two-hour game for 2-4 players or teams
Emphasis: environmental studies
Level: grades 6-10

OTHER

This section includes activities available to educators, workshops and an assortment of materials such as posters, coloring books and computer programs.

OTHER

163. Dr. Possibilities, Lake Healing Extravaganza

Format: theatre
Address: Portable Theatre Portatif,
c/o Howard Jerome, 778 Palmerston Avenue, Toronto, ON M6G 2R5
Notes: Participatory, educational family musical;
travels throughout the Lake Ontario region
indoors or outdoors, accomodates up to 500 people/show;
available for professional development days across ON;
offers workshops in areas of problem-solving, creativity,
team-building, communication, clowning and theatre.
Subject: safe water, participation
Emphasis: environmental studies, drama, language
Level: all ages

164. The Dotted Dragon: A Colouring Book on the Great Lakes

Format: colouring book
Author: Kim Etherington
Producer: Public Focus on the Great Lakes, 208 Bloor Street West,
Suite 603, Toronto, ON M5S 1T8
Date: 1985
Subject: geology, water quality, pollution, industry, public action
Emphasis: environmental awareness
Level: pre-school - grade 3

165. Food Chain Game

Format: game
Available: University of Minnesota Sea Grant Extension Program,
208 Washburn Hall, Duluth, MN 55812
(also in Nov./Dec.1980 issue of Lacustrine Lessons)
Subject: food chains, not specifically on the Great Lakes
Emphasis: ecology
Level: grades 3-6

166. Land Use Activities in the Great Lakes Basin
A Citizen's Guide to Great Lakes Pollution: Problems and Solutions

Format: poster
Producer: IJC Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or P.O. Box 32869, Detroit, MI 48232
Subject: recreation, land use activities
Emphasis: conservation, environmental studies
Level: grades 4 - adult

167. Politics and the Environment

Format: transcript
Author: Beakhust, Grahame
Producer: C.B.C. Enterprises, Box 500, Station A, Toronto, ON M5W 1E6
Subject: history, goals, tactics, environmental movement, North American and western Europe, policies
Emphasis: environmental law
Level: undergraduate - adult/general

168. Toxic Great Lakes Hotspots

Format: Poster
Producer: Pollution Probe, 12 Madison Avenue, Toronto, ON M5R 2S1
Subject: toxic substances, locations around the Great Lakes
Note: 343 hotspots, 21" x 34", five-colour poster
Emphasis: environmental quality
Level: all ages

169. Traveling Exhibits on Great Lakes/environmental issues

Producer: Martin Hetherington, Michigan State University Museum, Michigan State University, East Lansing, MI 48823
Note: contact for details on current exhibits
Subject: various
Emphasis: mixed
Level: various

170. Voyager

Format: computer simulation
Producer: Minnesota Educational Computing Consortium, 3490 Lexington Avenue N., St. Paul, MN 55112
Subject: underwater simulation, not Great Lakes specific
Emphasis: ecology
Level: grades 7-10

171. Workshops

Producer: Continuing Education/Outreach, University of Wisconsin, Stevens Point, WI 54481
Note: contact for details on current workshop offerings
Subject: mixed environmental, Great Lakes oriented
Emphasis: environmental education
Level: professionals, educators

172. Earthwatch, environmental radio program

Address: Wisconsin Sea Grant College Program, 1800 University Avenue, Madison, WI 53705
Date: daily
Subject: environmental affairs, Great Lakes
Emphasis: environmental quality
Level: adult/general

173. Environmental Songs

Format: folk songs
Address: Ken Lonnquist, P.O. Box 3411, Madison, WI 53704
Notes: Known throughout the U.S. and Canada for his environmental awareness songs
Subject: water, pollution, fun
Emphasis: environmental studies
Level: all ages

ENVIRONMENTAL EDUCATION CENTERS

This section lists selected centers concerned with The Great Lakes. For others in the Great Lakes basin, contact your local agencies, school boards or consult the guides listed in the Sources section.

ENVIRONMENTAL EDUCATION CENTERS

174. Bayberry Environmental Education Center
Address: 300 RTE. 318, Phelps, NY 14532
Director: Gail M. Sudore
Note: 339 acres, open to youth and adult, groups and classes sponsored by the Seven Lakes Girl Scout Council

175. Blue Cut Nature Center
Address: Wayne County Extension, P.O. Box 217, Alton, NY 14413
Contact: Dale Jensen-Sjolund
Note: on RTE. 31 near Newark, NJ; 40 acres, trails, picnic area, open to the public

176. Cayuga Nature Center
Address: 1420 Taughannock Boulevard, Ithaca, NY 14850
Director: Carolyn M. Rutgers
Note: resident facilities for 95, programs for schools and groups, 85 acres

177. Rochester Museum and Science Center
Operated by: Cummings Nature Center, Gulick Road, Naples, NY 14512
Contact: R. Campbell and R. W. Frasch
Gannett School of Science and Math, 657 East Avenue, Rochester, NY 14603

178. Genesse County Park and Forest
Address: Don W. Clark, Jr (park foreman and forester)
Genesse County Highway Department, 153 Cedar Street, Batavia, NY 14020
Note: trails, picnicking, x-country skiing, conservation and history, Braille and large print nature trail for visually impaired

179. Girl Scouts of Genesse Valley
Address: Camp Beechwood and Camp Pinewood
Contact: Judy Mayer, Program Specialist, 242 Andrews Street, Rochester, NY 14604
Note: variety of ecosystems, resident facilities, open to schools and groups

180. Helmer Nature Center
Address: 154 Pinegrove Avenue, Rochester, NY 14617
Director: Laramie Brown, West Irondequoit Central School District
Note: 25 acres, outdoor amphitheatre, herb gardens, classroom/resource room, open to the public - sunrise to sunset

181. Illinois Beach Nature Preserve
Contact: Illinois Department of Conservation, 524 S. Second, Springfield, IL 62706
Note: interpretive center, trails, beach dunes, ridges and swales, variety of ecosystems, Lake Michigan

182. Point Pelee National Park, RR #1, Leamington, ON N8H 3V4
Contact: Parks Canada for programs
Note: interpretive centre, trails, wetlands and beaches

183. Long Point Conservation Authority
Contact: Box 525, Simcoe, ON N3Y 4N5
Note: many areas with the Authority have campsites, toilet facilities, hydro, trails, boat docks and other features for public use

184. Kelso Conservation Area
Contact: Halton Region Conservation Authority, 310 Main Street, Milton, ON L9T 1P4
Note: picnicking, trails, boating, group camping, Halton Regional Museum, skiing, tobogganing, skating and snowmobiling

SOURCES

This section contains a list of selected sources of material. These sources produce or collect bodies of information too numerous to list individually, although some important publications may be found listed specifically in other sections. Many of these sources have films, slides, pamphlets and books available for public use.

SOURCES

185. Acid Rain Foundation, Inc.
1630 Blawkhawk Hills, Street Paul, MN 55122
Note: Media aides, books, newsletter, pH pens, test kits, workshops, slides, tapes, films ... occasionally on the Great Lakes

186. Bureau of Audio/Visual Instruction, University of Wisconsin,
1327 University Avenue, Madison, WI 53706
Note: occasional Great Lakes material
nominal costs plus shipping

187. Canada Centre for Inland Waters
The Information Unit, P.O. Box 5050, Burlington, ON L7R 4A6
Note: Great Lakes water resources

188. Canada Map Office
15 Booth Street, Ottawa, ON K1A 0E9
Note: occasional Great Lakes material

189. C.B.C. Enterprises,
Box 500, Station A, Toronto, ON M5W 1E6
or Les Enterprises Radio-Canada, Case postale 6000, Succursale A,
Montreal, PQ H3C 3A8
Note: occasional Great Lakes material

190. Canadian Conservation Directory
Canadian Nature Federation, 75 Albert Street, Ottawa, ON K1P 6G1
Note: Directory of organizations and agencies concerned with conservation

191. Canadian Environmental Law Association
8 York Street, 5th Floor South, Toronto, ON M5J 1R2
Note: occasional Great Lakes material

192. Center for Environmental Information
33 South Washington Street, Rochester, NY 14608
Contact: Fred Stoss
Note: occasional Great Lakes material

193. The Center for the Great Lakes
435 N. Michigan Avenue, Suite 1408, Chicago, IL 60611
or Centre for the Great Lakes Foundation, 3 Church Street, Suite 500, Toronto, ON M5E 1M2
Note: student and teacher materials, newsletter

194. Clean Water Action Project
733 15th Street NW, Suite 1110, Washington, D.C. 20005

195. Conservation Education Association
c/o Robert Ellingson, Wisconsin Department of Natural Resources, Box 7921, Madison, WI 53701
Note: occasional Great Lakes materials in newsletter, annual conferences

196. Concern, Inc.
2100 M Street NW, Washington, D.C. 20037
Note: copies available of "Eco-Tips" on a variety of environmental topics

197. Dossin Great Lakes Museum
Belle Isle, MI 48207
Note: museum of materials on ships and shipping in the Great Lakes

198. Environmental Education Association of Illinois
1037 West Fifth, Belvidere, IL 61008

199. Environmental Education Association of Indiana
c/o Harry Nikides, Division Street, Room 103, Noblesville, IN 46060

200. Environmental Engineering Student Society
103 Experimental Engineering Building, University of Minnesota, Minneapolis, MN 55455
Note: a society to promote awareness among environmental engineering students, professionals and instructors

201. Environment Information Center, Inc.
Film Reference Department, 48 West 38th Street, New York, NY 10018
Note: produces an annual review on films dealing with the environment
occasional Great Lakes material

202. Environmental Science Center
5400 Glenwood Avenue, Golden Valley, MN 55122
Note: curriculum materials for middle school to adult
science oriented with experiments

203. ERIC Center for Science, Mathematics and Environmental Education
Ohio State University, 1800 Cannon Road, 400 Lincoln Tower, Columbus, OH 43210
Note: Database

204. Federation of Ontario Naturalists
FON Conservation Centre, Moatfield Park, 355 Lesmill Road,
Don Mills, ON M3B 2W8

205. Freshwater Foundation
2500 Shadywood Road, Box 90, Navarre, MN 55392

206. Fourth Seacoast Publishing Co., Inc.
24145 Little Mack, St. Clair Shores, MI 48080

207. Great Lakes Commission
2200 Bonisteel Boulevard, Ann Arbor, MI 48109

208. Great Lakes Environmental Research Laboratory
2300 Washtenaw, Ann Arbor, MI 48104

209. Great Lakes Fishery Commission
1451 Green Road, Ann Arbor, MI 48105

210. Great Lakes Institute
University of Windsor, Windsor, ON N9B 3P4

211. Great Lakes Institute for Environmental Studies
Room 120, 610 Walnut Street, Madison, WI 53706

212. Great Lakes Tomorrow
P.O. Box 1935, 6789 Brown Street, Hiram, OH 44234

213. Great Lakes United
24 Agassiz Circle, Buffalo, NY 14214

214. Illinois Environmental Protection Agency, 2200 Churchill Road, Springfield, IL 62706
Contact: Bill Hammel, Community Relations Coordinator
Note: produces Petals of Flower Hill, coloring book; All About Groundwater, upper elementary pamphlet; Underground Water in Illinois, upper elementary

215. Illinois State Board of Education
100 N. First Street, Springfield, IL 62777
Contact: Don Roderick, Environmental Education Coordinator

216. Indiana Department of Education
Division of Curriculum, Room 229, State House, Indianapolis, IN 46204
Contact: Joe E. Wright, Environmental Science Education Consultant

217. Indiana Department of Natural Resources
608 State Office Building, Indianapolis, IN 46204

218. Institute for Environmental Education
32000 Chagrin Boulevard, Cleveland, OH 44124

219. International Association for Great Lakes Research
University of Toronto, Scarborough Campus, 1265 Military Trail, Scarborough, ON M1C 1A4.
Note: newsletter and conferences

220. International Joint Commission
Great Lakes Regional Office, 100 Ouellette Avenue, 8th floor, Windsor, ON N9A 6T3 or
P.O. Box 32869, Detroit, MI 48232
Contact: Sally Cole-Misch, Public Affairs Officer

221. Lake Michigan Federation
8 S. Michigan Avenue, Suite 2010, Chicago, IL 60603
Note: publishes booklet, Great Lakes Toxic Hotspots

222. The Institute for Environmental Studies
University of Toronto, Toronto, ON M5S 1A4

223. Michigan Department of Education
P.O. Box 30008, Lansing, MI 48909
Contact: Nancy C. Mincemoyer

224. Michigan Department Of Natural Resources
P.O. Box 30028, Lansing, MI 48909
Contact: Barb Nichols, Environmental Education Specialist

225. Michigan Environmental Education Association
414 Chelsey, Lansing, MI 48917
Note: newsletter, annual conference

226. Michigan Media
University of Michigan, 416 4th Street, Ann Arbor, MI 48109
Note: films, occasional Great Lakes material

227. Michigan Sea Grant Publications Office
2200 Bonisteel Boulevard, Ann Arbor, MI 48109
Note: teacher aides, information, references, worksheets, maps, Great Lakes

228. Michigan United Conservation Clubs
2101 Wood Street, Box 30235, Lansing, MI 48909
Note: Extensive conservation education program as affiliate of National Wildlife Federation

229. Minnesota Department of Education
644 Capitol Square Building, St. Paul, MN 55101
Contact: John C. Miller, Environmental Education Specialist

230. Minnesota Department of Natural Resources
500 Lafayette Road, St. Paul, MN 55146

231. Minnesota Pollution Control Agency
1935 W. County Road, B2, Roseville, MN 55113
Note: films available

232. Minnesota Sea Grant Extension Program
University of Minnesota, 208 Washburn Hall, Duluth, MN 55812
Note: produces teacher resources, classroom-ready materials on the Great Lakes Basin Ecosystem

233. Ministry of the Environment
Information Services Branch, 135 St. Clair Avenue West, Toronto, ON M4V 1P5
Contact: Beverly Pearl, Education Resources Coordinator
Note: occasional Great Lakes material

234. Modern Talking Pictures
1687 Elmhurst Road, Elk Grove Village, IL 60007
Note: films are free - must pay postage, occasional Great Lakes material

235. Motion Picture Service
Dept. of Commerce - NOAA, 12231 Wilkins Avenue, Rockville, MD 20852
Note: films are free - must pay postage, occasional Great Lakes material

236. National Film Board of Canada
1251 Avenue of the Americas, New York, NY 10200
or P.O. Box 6100, Montreal, PQ H3C 3H5
or your local office
Note: occasional Great Lakes material

237. National Ocean Service, Great Lakes Water Levels Section
National Oceanic and Atmospheric Administration, Office of Oceanography and Marine Services, 6001 Executive Boulevard, Rockville, MD 20852
Note: occasional Great Lakes material

238. National Science for Youth Foundation
763 Silvermine Road, New Canaan, CONN 06840
Note: published 1984 Directory of Natural Science and Environmental Centers

239. National Science Teachers Association
1742 Connecticut Avenue NW, Washington, D.C. 20009
Note: Lists of resources, teachers' guide, posters available occasional Great Lakes material

240. National Wildlife Federation
Educational Services Division, 1412 16th Street NW, Washington, D.C. 20036
Note: many publications and curriculum guidelines on a variety of topics; publishes annual Conservation Directory of agencies and organizations working to protect and conserve the environment

241. New York State Department of Education
Room 314H, Albany, NY 12234
Contact: Barry Johnson, Environmental Education Coordinator

242. New York Department of Environmental Conservation
50 Wolf Road, Albany, NY 12233

243. New York Sea Grant Institute
21 South Grove Street, East Aurora, NY 14052
OR State University of New York and Cornell, 37 Elk Street, Albany, NY 12246

244. Ohio Department of Education
Division of Elementary and Secondary Education
65 S. Front Street, Room 1005, Columbus, OH 43266
Contact: John Hug, Environmental Education Consultant

245. Ohio Environmental Protection Agency
P.O. Box 1049, 361 E. Broad Street, Columbus, OH 43216

246. Ohio Sea Grant
484 W. 12th Street, Columbus, OH 43210
OR Dr. Victor Mayer, OSU Education Program
059 Ramseyer Hall, Ohio State University, 29 West Woodruff, Columbus, OH 43210

247. Operation Clean - Niagara
356 Regent Street, Niagara on the Lake, ON LOS 1JO

248. Pennsylvania Department of Education
Office of Environmental Education, Bureau of Curriculum Services,
333 Market Street, Harrisburg, PN 17126
Contact: Dean R. Steinhart, Director

249. Pennsylvania Department of Environment Resources
9th floor, Fulton Building, Box 2063, Harrisburg, PN 17120

250. Pollution Probe Foundation
Ecology House, 12 Madison Avenue, Toronto, ON M5R 2S1
Note: books, newsletters, occasional Great Lakes material

251. Public Focus on the Great Lakes
208 Bloor Street West, Suite 603, Toronto, ON M5S 1T8
Note: occasional Great Lakes material

252. P.A. Schiller and Associates
P.O. Box 306, Chicago, IL 60690
Note: inexpensive teaching units in environmental education for elementary and junior high students

253. Sigurd Olson Environmental Institute
Northland College, Ashland, WI 54806
Note: publishes quarterly newsletter, Horizons, on environmental issues including Great Lakes

254. SMEAC
subsystem of database ERIC
400 Lincoln Tower, Ohio State University, Columbus, OH 43210
Phone: (614)-422-6717
Note: a phone call is better than a letter when requesting materials

255. U.S. Army Corps of Engineers
St. Paul District, Lake Superior Marine Museum, Duluth, MN 55802
or 536 South Clark Street, Chicago, IL 60605

256. U.S. Environmental Protection Agency
Office of Public Affairs - Region V
230 South Dearborn Street, Chicago, IL 60604
Note: films are free - must pay postage

257. University of Waterloo
Faculty of Environmental Studies, Waterloo, ON N2L 3G1
Note: newsletter

258. Wisconsin Association for Environmental Education, Inc.
125 West Kohler Street, Sun Prarie, WI 53590

259. Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
Contact: Susan Smith

260. Wisconsin Department of Public Instruction
125 S. Webster Street, P.O. Box 7841, Madison, WI 53707
Contact: David Engleson

261. University of Wisconsin - Extension
1815 University Avenue, Madison, WI 53706
Note: produces teacher resources and classroom ready materials

262. Wisconsin Sea Grant College Program
University of Wisconsin, 1800 University Avenue, Madison, WI 53705
Note: produces teacher resources and classroom ready materials

263. The Center for Curriculum Design
P.O. Box 350, Evanston, IL 60204
Note: "You Are the Environment" teaching-learning activities designed to develop environmental attitudes; catalog includes price list for curriculum, films and books

INDICES

GRADE INDEX

The sources are indexed here, using the grade levels indicated in those entries, under the subtitle: Level. Since not all students have the same background at each level these grade level recommendations are to be used only as a guide to direct the reader to appropriate entries. It should also be noted here that entries under the titles of Environmental Education Centers and Sources are not indexed.

GRADE INDEX

Grades K-3
#17,35,78,89,100,137,152,156,160,163

Grades 4-6
#17,35,27,78,89,90,97,100,107,132,137,149,152,153,155,156,157,160,164,165

Grades 7-9
#3,4,5,8,9,10,14,18,27,30,31,38,41,44,89,90,93,94,100,103,105,106,107,108,110,
111,114,122,123,124,125,126,133,135,136,137,139,144,145,149,150,152,153,154,155,
156,157,158,161,165,169

Grades 10 -12
#5,7,11,12,14,18,20,21,22,24,28,29,30,32,33,40,44,64,80,89,93,94,96,103,104,105,
106,107,108,109,110,111,112,113,114,115,118,119,120,122,123,124,125,126,133,135,
136,137,139,140,143,144,145,150,153,165

Undergraduate
#1,6,7,15,16,19,20,26,28,33,34,36,39,40,45,50,51,52,53,55,56,58,60,61,63,65,66,
67,68,69,70,71,74,75,76,82,85,87,88,91,95,96103,105,106,113,117,118,127,134,166

Graduate
#6,13,15,26,36,47,57,58,65,66,68,69,70,71,74,76,85,88

Adult/general
#6,11,12,13,16,20,21,22,24,26,29,30,34,36,42,43,44,51,56,59,61,62,64,65,66,67,
72,76,77,80,81,82,83,85,86,93,94,95,96,98,99,102,103,106,107,109,112,113,114,
115,116,117,118,119,120,121,122,124,125,126,127,128,129,130,131,133,134,136,137,
138,139,140,141,142,143,144,145,146,165,166,171

All Ages
#2,23,104,151,162,167

Teacher Resource
#4,5,15,20,25,26,27,34,38,39,42,43,44,45,46,47,48,49,53,54,57,63,66,67,68,69,70,
71,73,74,75,78,79,80,81,82,84,85,87,88,90,91,92,93,94,95,101,102,147,148,150,
156,159,170

SUBJECT INDEX

The resource entries are indexed here, using the terms found in those entries, under the subtitle: Emphasis. The terms are broad and wide ranging and are used to *guide* the reader to appropriate entries. It may be useful to use the terms of this index together or in combination with those in the audience level index, to locate items that are most useful for your purposes.

SUBJECT INDEX

Biology
#10,41

Canadian Studies
#46

Climatology
#11

Conservation
#20,37,45,52,70,77,97,101,141,142,143,146,159,166

Drama
#17,18,147,163

Ecology
#31,41,50,65,82,93,98,100,106,120,123,125,126,132,135,139,155,165,170

Economics
#12,71,113,147

English
#2

Environmental Education
#47,49,53,54,55,158,170

Environmental Law
#6,15,33,34,57,66,127,167

Environmental Studies:(Biology, Health Studies, Social Studies)
#1,3,4,7,13,16,21,22,23,24,25,26,28,29,30,35,36,39,40,42,43,47,51,56,59,60,61,
63,64,67,69,71,73,74,76,78,79,80,81,84,85,86,89,90,92,94,95,96,99,102,103,104,
107,108,109,110,112,114,115,117,118,119,121,124,128,129,130,131,133,134,136,138,
140,144,145,147,150,151,152,153,157,158,160,161,162,163,164,166,168,171

General
#5,8,9,14,32,38,111,158,169

Geography
#71,131,144,145

History
#20,75,87,112

Health
#154

Hydrology
#45,62,68

Ichthyology
#19

Language
#17,18,107,137,147,149,147,149,150,163

Limnology
#91,102

Music
#2,137

Politics
#26,34,40,66,71,105,113,134,147

Science (general sciences for elementary level and quantitative-oriented material)
#17,18,27,89,112,122,123,149,154

In order to maintain this directory, we would appreciate your feedback. If there is a source of material or a particular resource you think we should include, please fill out this form and return to:

International Joint Commission, Great Lakes Regional Office
100 Ouellette Avenue, Eighth floor, Windsor, ON N9A 6T3
OR P.O. Box 32869, Detroit, MI 48232

For your convenience, the following detachable postcards are included.

Directory of Great Lakes Educational Material

I have read the directory and have the following additions/corrections:

Resource Title: _____
Available from: _____
Address: _____
_____
Publishing Date: _____
Subjects: _____
Emphasis: _____
Audience Level: _____

Your name: _____
Address: _____
City, State/Prov.: _____ Zip/Postal Code_____
Phone Number: _____

Further comments, suggestions: _____
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